

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 51876P844 U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/532734</b>
INTERNATIONAL APPLICATION NO. PCT/KR2002/002214	INTERNATIONAL FILING DATE 26 November 2002	PRIORITY DATE CLAIMED 10/26/02
TITLE OF INVENTION FREQUENCY HOPPING OFDMA METHOD USING SYMBOLS OF COMB PATTERN		
APPLICANT(S) FOR DO/EO/US Kyung-Hi CHANG, et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4)).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>		
Items 11 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4)).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4)).</li> <li>20. <input checked="" type="checkbox"/> Other items or information.</li> </ol>		
<u>Transmittal of Formal Drawings: 55 Figures; 46 pages; Request For Priority; two non-U.S. IDS references;</u> <u>Int'l Publ. No. WO 2004/038972 A1; Copies of: PCT/IB/308; PCT/ISA/210; PCT/IPEA/416; PCT/IPEA/409 with</u> <u>attached Amended Sheets (Art. 34) (pp. 53-61) (clean version and marked-up version); and return postcard</u>		

JC20 Rec'd PCT/PTO 22 APR 2005

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/532734</b>		INTERNATIONAL APPLICATION NO. PCT/KR2002/002214		ATTORNEY'S DOCKET NUMBER 51876P844	
The following fees have been submitted				<b>CALCULATIONS</b>	<b>PTO USE ONLY</b>
21.	<input type="checkbox"/> Basic national fee .....	\$300	\$		
22.	<input checked="" type="checkbox"/> Examination fee If international preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33 (1)-(4) .....	\$100			
	All other situations .....	\$200	\$	200.00	
23.	<input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....	\$100			
	International Search Report prepared and provided to the Office .....	\$400			
	All other situations .....	\$500		400.00	
<b>TOTAL OF 21, 22 and 23 =</b>			\$	600.00	
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
109 - 100 =	9 / 50 =	1	x \$125.00	\$	\$125.00
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	32- 20 =	12	x 50	\$	600.00
Independent claims	1 - 3 =	0	x 200	\$	0.00
- MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ 360	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$	1200.00
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees are reduced by 1/2.				\$	1200.00
<b>SUBTOTAL =</b>				\$	600.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). <input type="checkbox"/>				\$	
<b>TOTAL NATIONAL FEE =</b>				\$	600.00
Fee for recording the enclosed assignment (37 CFR 1.21(h). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
Other fee (specify):					
<b>TOTAL FEES ENCLOSED =</b>				\$	725.00
Amount to be refunded:					\$
charged:					\$
<p>a. <input checked="" type="checkbox"/> A check(s) in the amount of \$ <u>725.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. <u>02-2666</u> in the amount of \$ <u>725.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>02-2666</u>. A duplicate copy of this sheet is enclosed.</p> <p><b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b) must be filed and granted to restore the application to pending status.</b></p>					
SEND ALL CORRESPONDENCE TO: Blakely, Sokoloff, Taylor & Zafman LLP 12400 Wilshire Boulevard, 7th Floor Los Angeles, CA 90025 Telephone: (310) 207-3800			DATE <u>4/25/05</u> SIGNATURE <u>Eric S. Hyman</u> NAME <u>30,139</u> REGISTRATION NUMBER		

10/532734

Express Mail No.: EV372846782US

DOCKET NO.: 51876P844

JC20 Rec'd PCT/PTO 22 APR 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

KYUNG-HI CHANG, ET AL.

Application No.:

Filed:

For: **FREQUENCY HOPPING OFDMA  
METHOD USING SYMBOLS OF COMB  
PATTERN**

Art Group:

Examiner:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL OF FORMAL DRAWINGS


Sir:

Enclosed herewith for filing in the above-identified U.S. Patent Application are the formal drawings, 46 sheets including 55 Figures. Please charge any additional fees or credit any overpayment to Deposit Account No. 02-2666. A duplicate copy of the Fee Transmittal is enclosed for this purpose.

Dated: 

Respectfully submitted,

Blakely, Sokoloff, Taylor & Zafman LLP

  
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